

IN THE CLAIMS:

Please amend Claims 1, 10, and 13-19, as indicated below. The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

1. (currently amended) An information processing apparatus ~~having comprising:~~  
a computer processor;  
a memory unit coupled to said computer processor, said memory unit configured to store a plurality of print control modules, including first and second print control modules, for performing processing corresponding to printer functions, each of the first and second print control ~~module~~ modules supporting a plurality of types of printers, and ~~further having store~~ a management table that contains identification information of the first print control module, version information of the first print control module, and printer type information regarding printers supported by the first print control module;  
~~said information processing apparatus comprising:~~

an obtaining unit configured to obtain, from the second print control module, version information of the second print control module and printer type information regarding the plurality of types of printers supported by the second print control module;

an updating unit configured to update the management table stored in said memory unit by recording identification information of the second print control module, and the version information and the printer type information obtained by said obtaining unit in the management table, if at least one printer type of the printer type information for the second print control module obtained by said obtaining unit is identical to at least one printer type of the

printer type information for the first print control module contained in the management table and if the version information of the second print control module obtained by said obtaining unit is newer than the version information of the first print control module contained in the management table, wherein said updating unit updates the management table without updating the second print control module;

a recognition unit configured to recognize a printer type of a certain printer;

a selection unit configured to select one of the first and second print control modules in correspondence with the printer type recognized by said recognition unit by referring to the management table updated by said updating unit; and

an execution unit configured to execute the print control module selected by said selection unit.

2. - 5. (canceled)

6. (previously presented) The information processing apparatus according to Claim 1, further comprising a setting unit configured to set the print control module for the version information selected by said selection unit such that the print control module can control the printer.

7. (previously presented) The information processing apparatus according to Claim 6, further comprising a control unit configured to inhibit activation of a print control module for the version information that is not selected by said selection unit.

8. (previously presented) The information processing apparatus according to Claim 6, further comprising:

an identification unit configured to identify a first control program that controls the printer not based on a selection result by said selection unit and a second control program that controls the printer based on a result by said selection unit; and

an activation control unit configured to perform control such that the first control program is activated when said identification unit recognizes that the first control program exists.

9. (previously presented) The information processing apparatus according to Claim 6, wherein said setting unit recognizes that the print control module can control a printer among printers supported by the print control module when a database file exists that stores control conditions and control variables for the printer.

10. (currently amended) A control method for controlling an information processing apparatus having a memory unit configured to store a plurality of print control modules, including first and second print control modules, for performing image processing and control processing corresponding to printer functions, each of the first and second print control ~~module~~ modules supporting a plurality of types of printers, and ~~further having store~~ a management table that contains identification information of the first print control module, version information of the first print control module, and printer type information regarding printers supported by the first print control module, said control method comprising:

~~an obtaining step of~~ obtaining, from the second print control module, version information of the second print control module and printer type information regarding the plurality of types of printers supported by the second print control module;

~~an updating step of~~ updating the management table by recording identification information of the second print control module, and the version information and the printer type information obtained from the second print control module ~~in said obtaining step~~ in the management table, if at least one printer type of the printer type information for the second print control module obtained from the second print control module ~~in said obtaining step~~ is identical to at least one printer type of the printer type information for the first print control module contained in the management table and if the version information of the second print control module obtained from the second print control module ~~in said obtaining step~~ is newer than the version information of the first print control module contained in the management table, wherein said management table is updated without updating the second print control module;

~~a recognition step of~~ recognizing a printer type of a certain printer;

~~a selection step of~~ selecting one of the first and second print control modules in correspondence with the recognized printer type ~~recognized in said recognition step~~ by referring to the management table ~~updated in said updating step~~; and

~~an execution step of~~ executing the selected print control module ~~selected in said selection step~~.

11. - 12. (canceled)

13. (currently amended) The control method according to Claim 10, wherein correspondence information is recorded in a table format, ~~in said recording step,~~ the correspondence information including the printer type information, the version information, and identification information for the print control module.

14. (canceled)

15. (currently amended) The control method according to Claim 10, further comprising ~~a setting step of~~ setting the print control module for the selected version information ~~selected in said selection step~~ such that the print control module can control the printer.

16. (currently amended) The control method according to Claim 15, further comprising ~~a control step of~~ inhibiting activation of a print control module for the version information that is not selected ~~in said selection step.~~

17. (currently amended) The control method according to Claim 15, further comprising:

~~an identification step of~~ identifying a first control program that controls the printer not based on a selection result ~~[[in]]~~ of said selecting selection step and a second control program that controls the printer based on a result ~~[[in]]~~ of said selecting selection step; and

~~an activation control step of performing control~~ controlling such that the first control program is activated when ~~said identification step recognizes~~ a recognition is made that the first control program exists.

18. (currently amended) The control method according to Claim 15, wherein a recognition that the print control module can control a printer among printers supported by the print control module is recognized ~~in said setting step~~, when a database file that stores control conditions and control variables for the printer exists.

19. (currently amended) A computer-readable storage medium storing thereon an executable program that can be executed in an information processing apparatus having a memory unit configured to store a plurality of print control modules, including first and second print control modules, for performing image processing and control processing corresponding to printer functions, each of the first and second print control module modules supporting a plurality of types of printers, and ~~further having store~~ a management table that contains identification information of the first print control module, version information of the first print control module, and printer type information regarding printers supported by the first print control module, said storage medium storing an executable program for causing said information processing apparatus to perform a method comprising execute:

~~an obtaining step of~~ obtaining, from the second print control module, version information of the second print control module and printer type information regarding the plurality of types of printers supported by the second print control module;

~~an updating step of~~ updating the management table by recording identification information of the second print control module, and the version information and the printer type information obtained ~~from the second print control module in said obtaining step~~ in the management table, if at least one printer type of the printer type information for the second print

control module obtained from the second print control module ~~in said obtaining step~~ is identical to at least one printer type of the printer type information for the first print control module contained in the management table and if the version information of the second print control module obtained from the second print control module ~~in said obtaining step~~ is newer than the version information of the first print control module contained in the management table, wherein said management table is updated without updating the second print control module;

~~a recognition step of recognizing a printer type of a certain printer;~~

~~a selection step of selecting one of the first and second print control modules in~~  
correspondence with the recognized printer type ~~recognized in said recognition step~~ by referring to the management table ~~updated in said updating step;~~ and

~~an execution step of executing the selected print control module selected in said selection step.~~

20. (withdrawn) A management method for managing device drivers in an information processing apparatus connectable to a peripheral device, comprising:

an obtaining step of obtaining version information for device drivers in the information processing apparatus and information on peripheral devices that can be controlled by the device drivers;

a recognition step of recognizing unnecessary device drivers among possibly multiple versions of device drivers that reside in the storage device of the information processing apparatus and correspond to a particular peripheral device, using the version information for the device drivers and information on peripheral devices controllable by the device drivers obtained in said obtaining step; and

a deletion control step of controlling deletion of device drivers that have been recognized as unnecessary by said recognition means.

21. (withdrawn) The management method according to Claim 20, wherein said recognition step comprises an identification procedure for identifying a peripheral device and a determination procedure for determining that the newest version of device driver is not unnecessary among device drivers capable of controlling the peripheral device identified in said identification procedure, and repeats processing in said determination procedure for device drivers that support the peripheral device identified in said identification procedure.

22. (withdrawn) The management method according to Claim 21, wherein in said recognition step, information on peripheral devices and device drivers is managed as table data and unnecessary device drivers are determined from the table data.

23. (withdrawn) The management method according to Claim 20, wherein after newly adding a device driver to the information processing apparatus, said obtaining step, said recognition step, and said deletion step are executed.

24. (withdrawn) An information processing apparatus that can be connected to a peripheral device and can manage device drivers, comprising:

obtaining means for obtaining version information for device drivers in the information processing apparatus and information on peripheral devices that can be controlled by the device drivers;



recognition means for recognizing unnecessary device drivers among possibly multiple versions of device drivers that reside in the storage device of the information processing apparatus and correspond to a particular peripheral device, using the version information for the device drivers and information on peripheral devices controllable by the device drivers obtained by said obtaining means; and

deletion control means for controlling deletion of device drivers that have been recognized as unnecessary by said recognition means.

25. (withdrawn) The information processing apparatus according to Claim 24, wherein said recognition means recognizes the newest version of device driver as not unnecessary among device drivers that can control a particular peripheral device.

26. (withdrawn) The information processing apparatus according to Claim 25, wherein in said recognition step, information on peripheral devices and device drivers is managed as table data and unnecessary device drivers are determined from the table data.

27. (withdrawn) The information processing apparatus according to Claim 27, wherein after newly adding a device driver to the information processing apparatus, said obtaining means, said recognition means, and said deletion means are run.

28. (withdrawn) A computer-readable storage medium storing a control program to be executed that can manage device drivers in an information processing apparatus

connectable to a peripheral device, said medium storing a control program causing the information processing apparatus to execute:

an obtaining step of obtaining version information for device drivers in the information processing apparatus and information on peripheral devices that can be controlled by the device drivers;

a recognition step of recognizing unnecessary device drivers among possibly multiple versions of device drivers that reside in the storage device of the information processing apparatus and correspond to a particular peripheral device, using the version information for the device drivers and information on peripheral devices controllable by the device drivers obtained in said obtaining step; and

a deletion control step of controlling deletion of device drivers that have been recognized as unnecessary by said recognition means.